

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in the application:

Claim 1. (Currently Amended) In a wireless transmission apparatus for constructing a wireless network by using a plurality of transmission apparatus to transmit information among it and a plurality of other communication stations, said wireless transmission apparatus being characterized by:

interface means for detecting connection bus information of a bus connected to a certain wireless transmission apparatus;

wireless information transmitting means for transmitting corresponding connection bus information to said wireless network;

wireless information receiving means for receiving connection bus information transmitted from other wireless transmission apparatus located within said wireless network; and

internal storage means for storing therein these connection bus information,

wherein said wireless information transmitting means transmits said connection bus information to said wireless network when said interface means detects a change of connection bus information.

Claim 2. (Canceled)

Claim 3. (Original) In a wireless transmission apparatus for constructing a wireless network by using a plurality of transmission apparatus to transmit information among it and a plurality of other communication stations, said wireless transmission apparatus being characterized by:

internal storage means for storing therein connection bus information within said wireless network; and

judging means for judging based on connection bus information of said wireless network whether or not information should be transmitted by radio when it receives wireless transmission information from a connection bus connected to a corresponding wireless transmission apparatus.

Claim 4. (Original) In a wireless transmission apparatus for constructing a wireless network by using a plurality of transmission apparatus to transmit information among it and a plurality of other communication stations, said wireless transmission apparatus being characterized by:

internal storage means for storing therein

connection bus information within said wireless network; and recognizing means for recognizing a wireless transmission apparatus to which information is transmitted by radio based on connection bus information in each of said other communication stations when it receives wireless transmission information from a connection bus connected to a corresponding wireless transmission apparatus.

Claim 5. (Currently Amended) In a network management method in which a wireless network is comprised composed of a plurality of transmission apparatus to transmit information, said network management method being wherein comprising the steps of:

providing network connection bus information connected to a corresponding wireless network ~~is managed~~;

managing the corresponding wireless network by all communication stations comprising said network, and

transmitting the network connection bus information to the corresponding wireless network upon detecting a change of the network connection bus information.

Claim 6. (Canceled)

Claim 7. (Currently Amended) In a network management method in which a wireless network is comprised composed of

a plurality of transmission apparatus to transmit information, said network management method ~~being wherein,~~ comprising the steps of:

detecting when connection bus information connected to its own communication station connected to a corresponding wireless network is changed; and

transmitting information indicative of said change of connection bus information ~~is transmitted to all~~ the whole of transmission apparatuses making up said wireless network.

Claim 8. (Currently Amended) In a wireless transmission method in which a wireless network is ~~comprised~~ composed of a plurality of transmission apparatus to transmit information, said wireless transmission method ~~being wherein, when~~ comprising the steps of:

designating a destination communication station to which information is transmitted by radio ~~is designated, it is determined;~~ and

determining, based on bus information of wireless transmission information in a corresponding wireless network and network connection bus information connected to a corresponding wireless network, whether or not information should be transmitted by radio.,

wherein said connection bus information is transmitted to said wireless network when a change of connection bus

information is detected.

Claim 9. (Currently Amended) In a wireless transmission method in which a wireless network is comprised composed of a plurality of transmission apparatus to transmit information, said wireless transmission method being wherein, when comprising the steps of:

designating, a destination communication station to which information is transmitted by radio is designated; and

providing said designated destination communication station is designated with reference to bus information of corresponding wireless transmission information and connection bus information connected to every communication station connected to a corresponding wireless network,

wherein said connection bus information is transmitted to said wireless network when a change of connection bus information is detected.